

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
RITE, BHUBANESWAR- 752057 (ODISHA)**

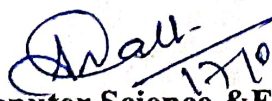
CERTIFICATE OF RECOMMENDATION

This is to certify that the major project report entitled "HAND RECOGNITION SYSTEM", prepared under my supervision by "Ms.Priyanka Jena is accepted in partial fulfillment of the requirements for the degree of Bachelor of Technology in Computer Science and Engineering and this work has not been submitted elsewhere before for any academic degree.

Countersigned by:



**Project Guide(s)
Department of Computer Science
&Engineering, RITE, Bhubaneswar**


17/05/2025

**H.O.D., Computer Science &Engineering
Bhubaneswar RITE, Bhubaneswar**


17/5/2025

PRINCIPAL, RITE

**RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING,
BHUBANESWAR - 752057 (ODISHA)**

CERTIFICATE OF APPROVAL

The foregoing major project is hereby approved as a credible study of an Engineering subject carried out and presented in a manner satisfactory to warrant its acceptance as a prerequisite to the degree for which it is submitted. It is understood that by this approval, the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the project only for the purpose for which it is submitted.

Handwritten signature and date: 17.5.2021

**Examiner/Supervisor
for Evaluation of the Major Project**

ABSTRACT

The Hand Gesture Recognition System is a vision-based project that utilizes computer vision and machine learning techniques to interpret human hand gestures for intuitive human-computer interaction. By employing a camera to capture real-time video, the system processes and analyzes hand movements to recognize specific gestures. These gestures are then mapped to predefined commands, enabling a wide range of applications such as device control, virtual navigation, and sign language interpretation. The system's core involves image acquisition, preprocessing, feature extraction, and gesture classification, with an emphasis on real-time performance and accuracy. This project aims to create a user-friendly, touchless interface that enhances accessibility and interaction with digital environments.